CLAIMS

1	1. A method in a computer system for dispatching requests to perform	
2	services to sub-applications that use different logic models the method comprising:	
3	providing a context for the sub-applications	
4	receiving a request to perform a service; and	
5	for a plurality of sub-applications,	
6	determining whether the received request should be dispatched to the	
7	sub-application; and	
8	when it is determined that the request should be dispatched to the sub-	
9	application, invoking a service routine of the sub-application passing the request	
10	whereby the sub-applications share the provided context.	
1	2. The method of claim 1 wherein the sub-applications are ordered and the	
2	invoking of the service routines is performed in the order of the sub-applications.	
1	3. The method of claim 1 wherein the determining includes determining	
2	whether a match criteria for the sub-application matches the received request.	
1	4. The method of claim 3 wherein the requests are HTTP requests with a	
2	URL and the match criteria is a regular expression relating to the URL.	
1	5. The method of claim 1 including suppressing the invoking of additional	
2	service routines when an invoked service routine returns an indication to suppress the	
3	invoking of additional service routine.	
1	6. The method of claim 1 including suppressing the invoking of additional	
2	service routines when an invoked service routine responds to the received request.	

1	7.	The method of claim 1 wherein an invoked service routine performs		
2	user authentication and indicates to suppress invoking of additional service routines when a			
3	user cannot be authenticated.			
1	8.	The method of claim 1 wherein an invoked service routine logs the		
2	received request.			
1	9.	The method of claim 1 wherein an invoked service routine logs a		
2	response of another invoked service routine.			
1	10.	The method of claim 1 wherein an invoked service routine transforms		
2	the received request from one protocol to another protocol.			
1	11.	The method of claim 1 including:		
2	for ea	ach of a plurality of sub-applications,		
3		retrieving initialization parameters for the sub-application;		
4		retrieving an indication of a class for the sub-application; and		
5		instantiating an instance of the class with the retrieved initialization		
6	parameters.			
1	12.	The method of claim 1 wherein the determining includes determining		
2	whether a match c	riteria in a configuration file for the sub-application matches the received		
3	request.			
1	13.	The method of claim 1 wherein the determining is performed by a match		
2	routine of the sub-	application.		

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model.

The method of claim 1 wherein a sub-application uses interaction-based

1	15. The method of claim 1 wherein a sub-application uses an action-view			
2	model.			
1	16. The method of claim 1 wherein a sub-application uses a workflow-based model.			
1 2	17. The method of claim 1 wherein the sub-applications form an overall application and wherein the provided context is an application-level context.			
1	18. The method of claim 1 wherein the sub-applications form an overall			
2 application that is web-based.				
the last that the first and first that I	19. The method of claim 1 wherein the request is received from a webserver environment.			
	20. A computer system for dispatching HTTP requests to sub-applications,			
= 2	comprising:			
3 mile 1000 4	a configuration file having a class, initialization parameters, and a match criteria associated with the sub-applications;			
[]	an initialization component that instantiates an object of the class for each sub-			
6	application in the configuration file, the instantiated object being initialized with the			
7	initialization parameters for the sub-application and being provided with a context object, the			
8	context object being shared by the instantiated objects so that the sub-applications share a			
9	common context; and			
10	a dispatcher that receives HTTP requests and, when the received HTTP request			
11	matches a match criteria of a sub-application, invokes a service routine of the instantiated			
12	object of the class associated with the sub-application.			

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The computer system of claim 20 wherein the match criteria is a regular

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expression relating to a URL of the HTTP request.

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1	22. The computer system of claim 20 wherein the configuration file		
2	specifies an ordering of the sub-applications and the dispatcher invokes the service routines		
3	in the specified order.		
1	23. The computer system of claim 20 wherein the dispatcher does not		
2	invoke any additional service routines when an invoked service routine returns an indication		
3	to not invoke any additional service routines.		
1	24. The computer system of claim 20 wherein the dispatcher does not		
2	invoke any additional service routines when an invoked service routine responds to the		
3	received request.		
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1	25. The computer system of claim 20 wherein a sub-application is based on		
2	an interaction model.		
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1	26. The computer system of claim 20 wherein a sub-application is based on		
2	an action-view model.		
•	27. The computer system of claim 20 wherein each of the sub-applications		
1	implement the same interface.		
. 2	implement the same interrace.		
1	28. A computer system for processing request messages, comprising:		
2	a plurality of sub-applications forming an application, a sub-application having		
3	a match criteria indicating when the sub-application should process a request and having a		
4	service routine to invoke when the match criteria indicates that the sub-application should		
5	process the request, the sub-applications using disparate logic models;		
6	a context for the application that is shared by the sub-applications; and		
7	a dispatcher that receives requests, evaluates the match criteria to identify		
8	which sub-applications should process the requests, and invokes the service routines of the		
9	identified sub-applications wherein an invoked sub-applications use the context.		

- The computer system of claim 28 including an initialization component that instantiates an object of a specified class for each sub-application.
 - 30. The computer system of claim 29 wherein the initialization component accesses configuration information that specifies the class of each sub-application and any initialization parameters for the sub-applications.
 - 31. The computer system of claim 29 including a context object representing the context and wherein the initialization component provides the context object to each sub-application.
 - 32. The computer system of claim 28 wherein each service routine is passed a request parameter and returns a response parameter.
 - 33. The computer system of claim 28 wherein the sub-applications are ordered and the dispatcher invokes the service routines based on the order of the sub-applications.
 - 34. The computer system of claim 33 wherein an invoked service routine indicates that additional service routines should not be invoked to process the received request.
- The computer system of claim 33 wherein the dispatcher does not invoke additional service routines when an invoked service routine responds to a received request.
- The computer system of claim 28 wherein the request is an HTTP request message.

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a plurality of service means for servicing requests, the service means forming

A computer system for processing request messages, comprising:

- an application, each service means having a match criteria indicating when the service means
- should be invoked, the service means implementing different logic models; and
 dispatch means for receiving requests, evaluating match criteria to identify

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- which service means should be invoked to process the requests, and invoking the identified service means whereby the service means share a context that is common to the service means of the application.
- 38. The computer system of claim 37 including an initialization means for instantiating an object of a specified class for each service routine.
- 39. The computer system of claim 38 wherein the initialization means accesses configuration information that specifies the class of each service means and any initialization parameters for the service means.
- 40. The computer system of claim 37 wherein each service means is passed a request parameter and returns a response parameter.
- 41. The computer system of claim 37 wherein the service means are ordered and the dispatch means invokes the service means based on their order.
- 1 42. The computer system of claim 41 wherein an invoked service means 2 indicates that additional service means should not be invoked to process the received request.
- The computer system of claim 41 wherein the dispatch means does not invoke additional service means when an invoked service means responds to a received request.

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1	44. A computer-readable medium for controlling a computer system to
2	dispatch requests to perform services to service routines, by a method comprising:
3	receiving a request to perform a service; and
4	for a plurality of service routines,
5	retrieving a match criteria for the service routine;
6	determining whether the received request matches the retrieved match
7	criteria;
8	when it is determined that the request matches the retrieved match
9	criteria, invoking the service routine for processing of the received request
0	whereby the service routines form an application and share a common
1	context.
	The computer readable medium of claim 11 xyberein the service routines

- 45. The computer-readable medium of claim 44 wherein the service routines are ordered and the invoking is performed in the order of the service routines.
- 46. The computer-readable medium of claim 44 wherein the requests are HTTP requests with a URL and the match criteria is a regular expression relating to the URL.
- 47. The computer-readable medium of claim 44 including suppressing the invoking of additional service routines when an invoked service routine returns an indication to suppress the invoking of additional service routine.
- 48. The computer-readable medium of claim 44 including suppressing the invoking of additional service routines when an invoked service routine responds to the received request.

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